

IN THE CLAIMS:

Please amend claims 1-15, and add new claim 16, as follows.

1. (Currently Amended) A method of forwarding a data packet to a connection-oriented network, said method comprising ~~the steps of:~~

a) broadcasting said data packet from a routing device (20) to a plurality of access devices (~~31 to 3n~~) of a connection-oriented network using a broadcast address;

b) checking at each of said plurality of access devices (~~31 to 3n~~) whether a multicast destination address of said data packet is supported; and

forwarding said data packet from a supporting one (32) of said plurality of access devices (~~31 to 3n~~) to said multicast destination address.

2. (Currently Amended) A The method according to claim 1, wherein said broadcast address is predefined.

3. (Currently Amended) A The method according to claim 1, wherein said connection-oriented network is a cellular network.

4. (Currently Amended) A The method according to claim 1, wherein said data packet is an IP data packet.

5. (Currently Amended) A The method according to claim 1, wherein said broadcast address is a link-layer address.

6. (Currently Amended) A The method according to claim 1, wherein said access devices store mappings between supported destination addresses and their link-layer addresses.

7. (Currently Amended) A The method according to claim 1, wherein said destination address is a network layer address.

8. (Currently Amended) A The method according to claim 1, wherein said destination address is an address of a mobile node.

9. (Currently Amended) A The method according to claim 1, further comprising ~~the step of~~ encapsulating said data packet into a link-layer frame comprising said broadcast address.

10. (Currently Amended) A The method according to claim 1, wherein said access devices ~~(31 to 3n)~~ discard or drop said data packet if they do not ~~don't~~ support said multicast destination address.

11. (Currently Amended) An access device for forwarding a data packet in a connection-oriented network, said access device (~~31 to 3n~~) comprising:

a) ~~a detecting unit configured to detect detecting means for detecting~~ a predetermined broadcast address added to said data packet;

b) ~~a checking unit configured to check checking means for checking~~ whether a multicast destination address of said multicast data packet is supported by said access device (~~31 to 3n~~); and

e) ~~a forwarding unit configured to forward forwarding means for forwarding~~ said data packet to said multicast destination address in response to said checking means.

12. (Currently Amended) ~~A~~ The device according to claim 11, further comprising ~~a dropping unit configured to drop dropping means for dropping~~ said data packet if said ~~checking unit means~~ determines that said destination address is not supported.

13. (Currently Amended) ~~A~~ The device according to claim 11, wherein said multicast destination address is a network-layer address and said broadcast address is a link-layer address.

14. (Currently Amended) ~~A~~ The device according to claim 11, wherein said access device comprises a cellular access point (~~31 to 3n~~).

15. (Currently Amended) A routing device for forwarding a data packet to a connection-oriented network, said routing device (20) comprising:

a)- checking means for checking whether said data packet requires a multicast transmission; and

addressing means for adding a predetermined broadcast address to said data packet if said checking means determines that said data packet requires a multicast transmission; and

forwarding said data packet from said routing device (20) to a plurality of access devices (31 to 3n) of a connection-oriented network using said broadcast address.

16. (New) An access device for forwarding a data packet in a connection-oriented network, said access device comprising:

detecting means for detecting a predetermined broadcast address added to said data packet;

checking means for checking whether a multicast destination address of said multicast data packet is supported by said access device; and

forwarding means for forwarding said data packet to said multicast destination address in response to said checking means.